UHER®

ROYAL STEREO 8000 TAPE RECORDER

by martel

The UHER 8000, lavishly provided with features that will surprise even the most experienced and ardent audiophile is the result of many years of tape recorder design and engineering. The UHER 8000 is one of the most sophisticated tape recorders of its kind, offering a range of possibilities normally found only in the studio— stereo recording and playback, synchronous sound-on-sound, multiplay, reverberation and echo effects, a built in slide projector synchronizer and two channel mixer, all conveniently arranged and easily accessible. In addition to these obvious technical advantages the UHER 8000 is styled with functional elegance to suit any decor.

DISTRIBUTED BY

SOLE AUTHORIZED U.S. IMPORTER

martel

LOS ANGELES: 2339 SOUTH COTNER. NEW YORK CITY: 1199 BROADWAY. CHICAGO: 5445 NORTH LINCOLN AVE.

UHER® ROYAL

REELS AND TAPE

Maximum reel size 7", track configuration —4 tracks to international standard, up to 22 hours playing time (monaural), automatic end-of-tape stop.

DIA-PILOT

Dia-Pilot light and pushbutton make preparation of automatic slide presentation both easy and accurate.

VU-METERS

Just above the START—STOP—PAUSE keys are two level indicating meters, one for each channel. To the right are two blue indicator lights, the upper is illuminated when the instrument is set for playback from the upper track and the lower for the second track; both are illuminated for stereo. To the left of the meters are two red lights, showing when each channel is set for recording. Thus for MULTIPLAY I, the upper red light and the lower blue light are on when the recording button is depressed. For MULTIPLAY 2 the two lights are reversed.

MASTER ON/OFF SPEED SWITCH

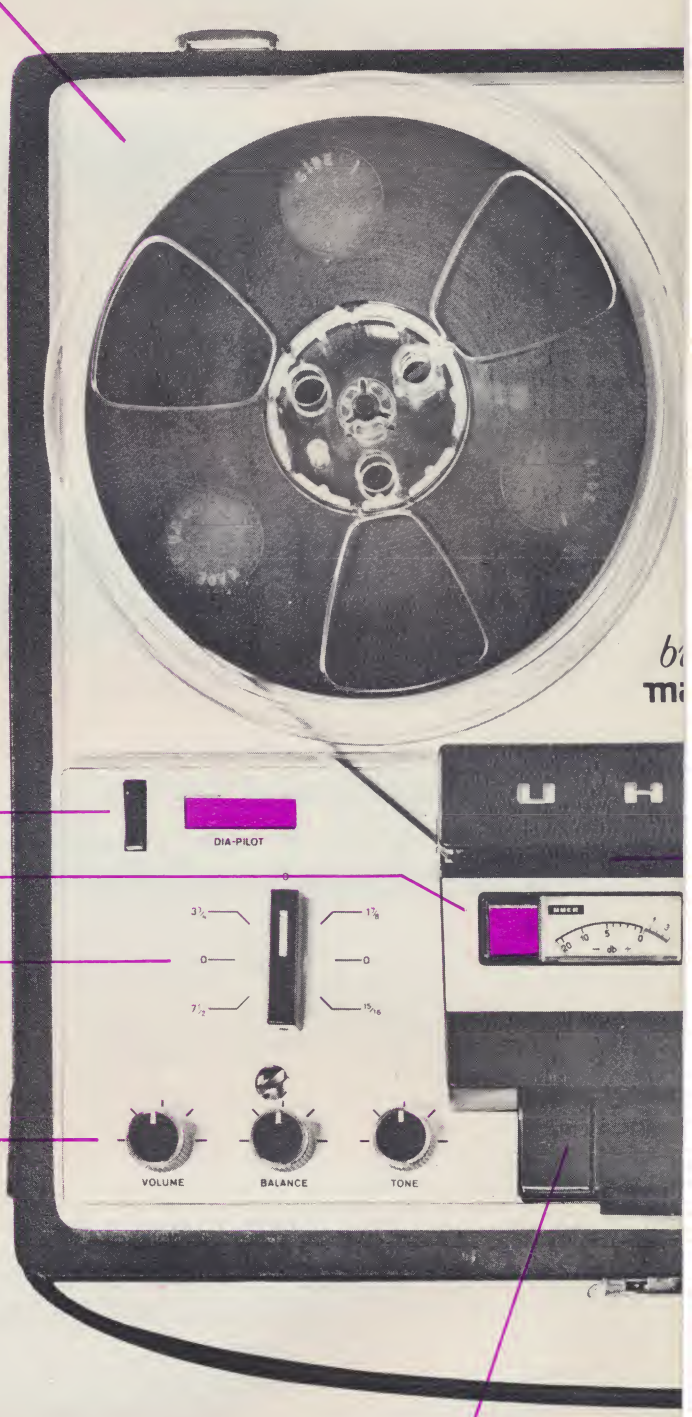
One master switch controls the mechanical speed selector and the ON-OFF mode. There are seven positions—four speeds with three OFF positions between. Selecting the speed also adjusts equalization for each.

VOLUME—BALANCE—TONE

The playback level is controlled by one knob, balance between channels by a second, and tone—affecting playback only—by a third. The balance control, in monaural operations, gives normal monitoring from the input signal when in the counterclockwise position and from the tape when in the clockwise position. Two recording level controls are provided—the left one for microphone inputs and the right one for inputs from the phono receptacle on the rear apron panel.

START—STOP—PAUSE

Piano-type keys are used for the start, stop, and pause operations. In PAUSE the pinch roller is held away from the capstan so that the tape remains stationary while all other controls are in the same positions. The pause operation provides an instant start and stop action so that words can even be cut in two in recording. For instance, one can say "Micro—pause—phone" in recording, while in playback it will sound like "Microphone" without interruption.



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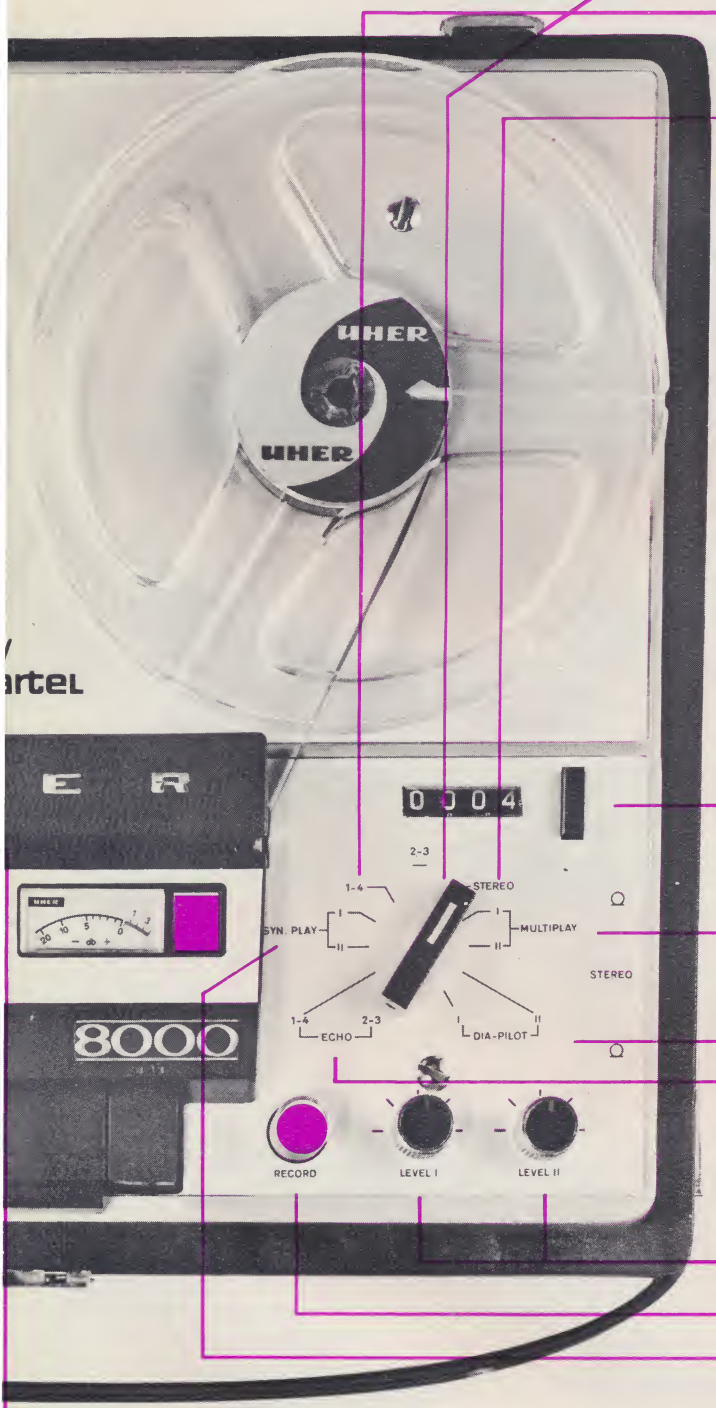
STEREO 8000



MULTIFUNCTION SWITCH
Multifunction switch, together with an interlocked RECORD button, controls all of the electronic functions in its eleven positions.

MONAURAL RECORDING
1—4 mono record or play on upper track.
2—3 mono record or play on lower track.

STEREO RECORDING
Stereo—record or play.

MULTIPLAY
Multiplay 1—permits recording on the upper track from microphone and mixing with material from lower track.
Multiplay 2—permits recording on lower track and mixing material already recorded on upper track.

4 DIGIT COUNTER
With pushbutton reset.

DIA-PILOT
Dia-Pilot 1—used for recording from microphone and/or from phono record or another tape recorder on upper track as commentary for slides.
Dia-Pilot 2—after making recorded commentary on upper track, this position is used to record sub-sonic tone on lower track at points where a slide is to be changed and for playback with slide projector thereafter, with the slide changing at each point that the tone button was depressed in the second run-through.

RECORDING LEVEL CONTROLS

RECORDING BUTTON
Recording button must be depressed simultaneously with the START key to prevent accidental erasure.

ECHO—REVERBERATION
Echo 1-4 permits adding delayed sound to an original recording on upper track, the amount of delay depending on the speed of the tape.
Echo 2-3 is for the same operation on the lower track.

SYN—PLAY
Syn-Play 1—used for recording on one track for later recording another signal in synchronism with the first but on a second track when the switch is turned to the *Syn-Play 2* position. In this manner practically any trick type of recording can be made with no external interconnecting or switching.

SOUND HEADS
3 long life narrow-gap magnetic sound heads for monaural and stereo recordings, provide also for A (straight) and B (off-the-tape) monitoring.

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FEATURES

- 4 Tape Speeds
- Stereo Recording and Playback
- Synchronized Sound-on-Sound Recording
- Multiplay
- Reverberation
- Dia-Pilot
- 4 Magnetic Heads
- Acoustic Stop/Start Control
- Input Mixer for Mono and Stereo
- Remote Control

ROYAL STEREO

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TECHNICAL SPECIFICATIONS

Four tracks to international standards
Tape Speeds: 15/16, 1⅞, 3¾, 7½ ips
Reel Size: up to 7″
Frequency Response:
50— 4000cps at 15/16 ips
50— 8000cps at 1⅞ ips
50—16000cps at 3¾ ips
50—20000cps at 7½ ips
Dynamic Range: 50 db
Wow and Flutter: 0.15% at 7½ ips (audible frequencies only)
Channel Separation: 50 db
Output Power: 2 x 2 watts (push-pull output stage)
Power Supply: 110, 130, 150, 220, 240, 250 volts A.C. 60 cps
Dimensions: 16″ x 14″ x 7″
Weight: 27½ lbs

CHASSIS

This tape recorder features a cast aluminum chassis for durability, heavy capstan flywheel and long life oilite bearings.

CASING

The case is of wood, well reinforced, covered with an attractive synthetic black Morocco leather and fitted with a key-operated lock. The unit measures 16″ wide, 14″ front to back, and 7″ high.

ALL TRANSISTOR

The UHER ROYAL STEREO 8000 is fully transistorized (19 transistors).

SPEAKER SYSTEM

The unit has two built-in 5 x 7″ loudspeakers, one on each side of the case. The output amplifiers, also transistorized, are capable of putting out a signal of 2 watts per channel, which is more than adequate for an efficient speaker system. For optimum sound reproduction quality however, the machine would normally be used to feed an external power amplifier and loudspeakers. At the slowest speed and in the echo mode the tape recorder can be used to check pronunciation in the study of languages: one has simply to say a word or phrase and hear it played back a moment later. The numerous features of this machine provide a wide range of facilities most useful in the study of language or music.

PLAYING TIMES

The playing times listed below pertain to 2400 feet of tape on a 7″ reel.

TAPE SPEED	FREQUENCY RESPONSE	PURPOSE	TIME
15/16 ips	50-4000 cps	Longer playing time	2 x 8 hours
1⅞ ips	50-8000 cps	long playing time & good fidelity	2 x 4 hours
3¾ ips	50-16000 cps	wide frequency response	2 x 2 hours
7½ ips	50-20000 cps	the ultimate in Hi-Fi recording	2 x 1 hour

WARRANTY

90 day warranty